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| Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i> | | | Docket Number (Optional) IPT-061.01 | Application Number 10/009,219 |
| | | | Applicant DeWolfe et al. | |
| | | | Filing Date November 7, 2001 | Group Art Unit 1652 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|--------------------|----------|-----------------------|-------|----------|----------------------------|
| AS | BA 5,539,132 | 07.23.96 | Royer et al. | | | |
| | BB 5,614,551 | 03.25.97 | Dick et al. | | | |
| | BC 5,759,837 | 06.02.98 | Kuhajda et al. | | | |
| | BD 5,965,402 | 10.12.99 | Black et al. | | | |
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| | BF 6,274,376 | 08.14.01 | Black et al. | | | |
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| | BH 6,403,337 | 06.11.02 | Bailey et al. | | | |
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| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation | |
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| | | | | | | YES | NO |
| AS | CA DE 26 20 777 | 12.01.77 | Germany | | | | X |
| AS | CB JP 10-174590 | 06.30.98 | Japan | | | | X |
| AS | CC 0 826 774 A2 | 04.03.98 | EPO | | | | |
| AS | CD 0 78 6519 A2 | 07.30.97 | EPO | | | | |
| AS | CE WO 97/30070 | 08.21.97 | PCT | | | | |
| AS | CF WO 97/30149 | 08.21.97 | PCT | | | | |

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| AS | FA | Bergler et al., "Protein EnvM is the NADH-dependent Enoyl-ACP Reductase (FabI) of <i>Escherichia coli</i> ", <i>The Journal of Biological Chemistry</i> , Vol. 269, No. 8, pp 5493-5496 (1994). |
| AS | FB | Bergler et al., "Sequences of the <i>envM</i> gene and of two mutated alleles in <i>Escherichia coli</i> ", <i>Journal of General Microbiology</i> (1992), 138, pp. 2093-2100. |
| AS | FC | Broadwater et al., "Spinach Holo-Acyl Carrier Protein: Overproduction and Phosphopantetheinylation in <i>Escherichia coli</i> BL21(DE3), in Vitro Acylation, and Enzymatic Desaturation of Histidine-Tagged Isoform I", <i>Protein Expression and Purification</i> 15, 314-326 (1999). |

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| EXAMINER | | DATE CONSIDERED |
| | | 12-22-03 |

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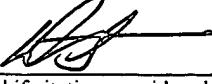
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| | | | | | | YES | NO |
| DS | CG WO 00/70017 | 11.23.00 | PCT | | | | |
| DS | CH WO 01/30988 | 05.03.01 | PCT | | | | |
| DS | CI WO 01/48248 | 07.05.01 | PCT | | | | |
| DS | CJ WO 02/31128 | 04.18.02 | PCT | | | | |

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| DS | FD | Edwards, et al., "Cloning of the fabF gene in an expression vector and in vitro characterization of recombinant <i>fabF</i> and <i>fabB</i> encoded enzymes from <i>Escherichia coli</i> ". <i>FEBS Letters</i> , 402:62-66 (1997). |
| DS | FE | Grassberger et al., "Preparation and Antibacterial Activities of New 1,2,3-Diazaborine Derivatives and Analogues", <i>Journal of Medicinal Chemistry</i> , 1984. Vol. 24, No. 8, pp. 947-953. |
| DS | FF | Gronowitz et al., "Antibacterial borazaro derivatives", <i>Acta Pharm. Suecica</i> 8, pp. 377-390 (1971). |
| DS | FG | Heath et al., "Enoyl-Acyl Carrier Protein Reductase (<i>fabl</i>) Plays a Determinant Role in Completing Cycles of Fatty Acid Elongation in <i>Escherichia coli</i> *", <i>The Journal of Biological Chemistry</i> , Vol. 270, No. 44, pp. 26538-26542 (1995). |
| DS | FH | Heath et al., "Regulation of Fatty Acid Elongation and Initiation by Acyl-Acyl Carrier Protein in <i>Escherichia coli</i> *", <i>The Journal of Biological Chemistry</i> , Vol. 271, No. 4, pp. 1833-1836 (1996). |
| DS | FI | Lam et al., "Effect of diazaborine derivative (Sa 84.474) on the virulence of <i>Escherichia coli</i> ", <i>Journal of Antimicrobial Chemotherapy</i> (1987) 20, pp. 37-45. |
| DS | FJ | Lambalot, et al., "Cloning, Over production, and Characterization of the <i>Escherichia coli</i> Holo-acyl Carrier Protein Synthase*", <i>The Journal of Biological Chemistry</i> , Vol. 270, No. 42, pp. 24658-24661 (1995). |
| DS | FK | Ngo et al., "Computational complexity, protein structure prediction, and the Levinthal paradox", Chapter 14 in 'The Protein Folding Problem and Tertiary Structure Prediction', Merz et al. (eds.), Birkhauser: Boston, MA, pp. 433 & 492-495, 1994 |
| DS | FL | Rock et al., "Preparative Enzymatic Synthesis and Hydrophobic Chromatography of Acyl-Acyl Carrier Protein", <i>The Journal of Biological Chemistry</i> , 254(15): 7123-7128 (1979). |

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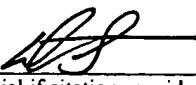
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| <i>AS</i> | FM | Rock et al., "Acyl Carrier Protein from <i>Escherichia coli</i> ", <i>Methods in Enzymology</i> , 71:341-351 (1981). |
| <i>AS</i> | FN | Roujeinkova et al., "Inhibitor Binding Studies on Enoyl Reductase Reveal Conformational Changes Related to Substrate Recognition", <i>The Journal of Biological Chemistry</i> , 274(43): 30811-30817 (1999). |
| <i>AS</i> | FO | Turnowsky et al., "envM genes of <i>Salmonella typhimurium</i> and <i>Escherichia coli</i> ", <i>Journal of Bacteriology</i> , Dec. 1989 pp. 6555-6565. |
| <i>AS</i> | FP | Ward et al., "Kinetic and Structural Characteristics of the Inhibition of Enoyl (Acyl Carrier Protein) Reductase by Triclosan", <i>Biochemistry</i> , 38: 12514-12525 (1999). |
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|--|--|--|-------------------------------|
| Form PTO-1449 | U.S. Department of Commerce Patent and Trademark Office | ATTY. DOCKET NO. | INTERNATIONAL APPLICATION NO. |
| | | GM50056 | PCT/US00/12104 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i> | | APPLICANT Walter E. DeWolf | |
| | | INTERNATIONAL FILING DATE 04 May 2000 | GROUP Unknown |

U.S. PATENT DOCUMENTS

| Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
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| <u>Cited in</u> | <u>AA</u> | <u>105 filed 10/30/03 as ref # CB</u> | <u>06/06/98</u> | <u>Japan</u> | | | |
| <u>Cited in</u> | <u>AB</u> | <u>105 filed 10/30/03 as ref # CC</u> | <u>04/03/98</u> | <u>EPO</u> | | | |
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| <u>AC</u> | Berglert et al., "Protein EnvM Is the NADH-dependent Enoyl ACP Reductase (FabI) of <i>Escherichia coli</i> ", The Journal of Biological Chemistry, 269(8): 5493-5496 (1994) |
| <u>Cited in</u> | <u>105 filed 10/30/03 as ref # FA</u> |
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